

**Bachelor of Applied Arts and Sciences (BAAS)
Career Field - **Architectural & Engineering CAD****

Component Area	Texas A&M-Commerce Number	Texas Common Course Number
General Education Requirements		
Communications (9 hours)	ENG 101	ENGL 1301
	ENG 102	ENGL 1302
	SPC 111 or 245	SPCH 1311 or 1315 or 1321
Mathematics (3 hours)	MATH 141 or 175 or 179	MATH 1314 or 1414 or 1324
Natural Sciences (8 hours)	US Science	College Core 4 hr Lab Science
	US Science	College Core 4 hr Lab Science
Humanities (3 hours)	ENG 201, 202, 203; HIST 261, 262, 263; JOUR 114; PHIL 231, 331, 332, 360, 362; PSCI 410, 411, 412	ENGL 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333; HIST 2321, 2322; COMM 1307; PHIL 1301, 2306, 2316, 2317
Visual & Performing Arts (3 hours)	ART 200, 202, 301, 304; ENG 432, 434; MUS 102, 110, THE 210	ARTS 1301, 1303, 1304; MUSI 1306, 1308, 1309, 1310; DRAM 1310, 2361, 2362
Social/Behavioral Sciences (3 hours)	ECO 231	ECON 2301
History (6 hours)	HIST 121	HIST 1301
	HIST 122	HIST 1302
Political Science (6 hours)	PSCI 220, 221	GOVT 2301, 2302 (sequence) or GOVT 2305, 2306 (sequence)
Fitness and Recreational Activity (2 hours)	Two 1 hour FRA activity courses	Two 1 hour PHED or KINE activity courses
(3 hours)	ECO 232	ECON 2302
(3 hours)	(lower-level elective)	(lower level elective)
Career Field Requirements to be completed at ACC		
Career Field (36 hours)	Choose 36 hours from Applied Arts/Sciences courses as follows:	
	DFTG 1405 Technical Drafting	DFTG 1417 Architectural Drafting- Residential
	DFTG 2419 Intermediate CAD	DFTG 1433 Mechanical Drafting
	DFTG 1491 Special Topics: PORTFOLIO	DFTG 1458 Electrical/Electronic Drafting
	DFTG 1475 Advanced Pro E Surface Modeling	DFTG 1492 ST in Arch Drafting: Advanced Resd
	DFTG 1494 ST in Elec/Electron: IC Layout III	DFTG 1495 ST in Mech Drafting: SOLIDWORKS
	DFTG 1495 ST in Mech Drafting: MEMS	DFTG 2402 Machine Drafting
	DFTG 2405 Printed Circuit Board Design	ARCE 1452 Structural Drafting
	DFTG 2412 Technical Illustration	DFTG 1493 ST in Advanced Civil Drafting
	DFTG 2428 Architectural Drafting: Commercial	DFTG 2430 Civil Drafting
	DFTG 2432 Adv CAD	DFTG 2436 CAD Programming
	DFTG 2440 Solid Modeling/Design	DFTG 2470 IC Layout & Design I
	DFTG 2471 IC Layout & Design II	DFTG 2472 Intro to Geographic Info
	DFTG 2473 Intro to CAD/CAM	DFTG 2474 Architectural Modeling
	MCHN 1419 Manufacturing Materials	ENGR 1201 Intro to Engineering
	GEOG 2470 Intro to Geo Info (GIS)	
Requirements to be completed through instruction with Texas A&M University-Commerce		
Professional Development (36 hours) These 36 hours must be completed with Texas A&M University-Commerce and may be taken in a traditional	BAAS 301 Practicum I	
	BAAS 302 Practicum II	
	BAAS 303 Practicum III	
	BAAS 305 Corporate Communication	
	BAAS 345 Organizational Leadership	
	BAAS 409 Contemporary Technology	
	MGT 305 Management and Organizational Behavior	
	MKT 306 Marketing	

convenient classes
delivered online.

BAAS 444 Strategies for Decision Making

Electives (6 hours advanced)

Total semester hours required for the degree is 121 hours. Thirty-six hours must be advanced.

Note: This is a degree guide only – it does not constitute an official degree plan. Texas A&M-Commerce students are responsible for filing official degree plans with their department.